

2012

DesertSol: Sponsorship Packet

University of Nevada, Las Vegas. Solar Decathlon Team.

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DESERTSOL

TEAM LAS VEGAS . SOLAR DECATHLON 2013

SPONSORSHIP PACKET



Team Las Vegas poses with Sen. Harry Reid during the 2012 National Clean Energy Summit. (Photo courtesy of U.S. Senate Democrats)

Dear Potential Sponsor,

I am excited to share the news that UNLV has been selected as one of twenty teams to participate in the U.S. Department of Energy Solar Decathlon 2013. Team Las Vegas' participation is a triumph for UNLV, Nevada, and the Mountain West Region. We are thrilled to have the opportunity to showcase our knowledge and represent our region in this international competition. Our success thus far is a testament to our innovative curriculum, dedicated faculty and students, and strong community partnerships, but we need your help to continue moving forward. Enclosed you will find more information about the competition and the benefits of being a sponsor.

Your sponsorship is an investment in current students and future generations, and helps defray costs for construction materials, graphics and communications, and travel and transportation. In addition, your support will continue to impact and benefit Las Vegas in the following ways:

- Diversifying our economy
- Creating an educated and much-needed workforce with renewable energy expertise
- Extending research opportunities for renewable energy
- Educating the community about the benefits of energy efficient living
- Positioning UNLV and Las Vegas on an international stage with other renowned universities

We are excited about the countless opportunities and visibility the competition offers, not only for UNLV but for you as well. The 2011 Solar Decathlon held in Washington, D.C. received the following:

- **2 billion** media impressions
- **250 articles** in 150 publications
- **6 million** website page views
- **357,000 visitors** to each home during the competition

Please join us as we endeavor to make UNLV a leader in the fields of solar power, renewable energy, water management, and other sustainability initiatives. We hope to count you as members of Team Las Vegas as we strive to win!

Sincerely,

Arialle Boos
Sponsorship Manager, Class of 2013
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Solar Decathlon 2013 will be held at Orange County Great Park in Irvine, CA. (Photo courtesy of the Orange County Great Park Corp.)

ABOUT SOLAR DECATHLON

The U.S. Department of Energy Solar Decathlon is an international competition initiated by the U.S. Department of Energy with the goal to educate the public about the energy-saving opportunities. In this award-winning program, 20 collegiate teams need to design, build, and maintain sustainable solar-powered houses.

This competition serves as an avenue for academic institutions and their respective teams to showcase their house designs that promote sustainability and conservation of our environment. This is a student-run project, with the guidance and support from faculty members.

UNLV is among the 20 teams chosen to compete in the Solar Decathlon 2013, which will be held in Orange County Great Park in Irvine, California from October 3-13, 2013.

For more information about the Solar Decathlon 2013, please visit www.solardecathlon.gov.

PROJECT TIMELINE

Summer 2012: Design development

Fall 2012: Construction documents

Spring 2013: Construction

Summer 2013: Testing

Fall 2013: Competition

COMPETITION

The design will be evaluated in these contests:

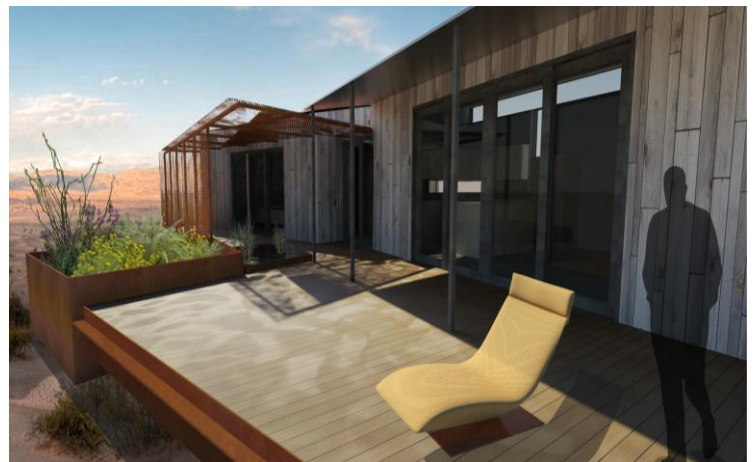
- 1. Architecture** – jury evaluates the design through documentation, visual presentation, narrative, and the final constructed project.
- 2. Market Appeal** – jury evaluates the livability, marketability and buildability of the house.
- 3. Engineering** – jury evaluates the design, efficiency, innovation and the documentation of the house.
- 4. Communications** – jury evaluates the team website, audiovisual presentation, communications narratives, and onsite exhibit materials.
- 5. Affordability** – professional cost estimators reviews the final constructed project cost.
- 6. Comfort Zone** – house must maintain temperatures of 71°F – 76°F, and the relative humidity must be lower than 60%.
- 7. Hot Water** – house must deliver 15 gallons of hot water at 110°F in 10 minutes or less.
- 8. Appliances** – the appliances must meet the target temperatures and be able to accomplish the washing tasks defined in rules.
- 9. Home Entertainment** – contest includes lighting, cooking, hosting a dinner party, operating TV and computer, and hosting movie nights.
- 10. Energy Balance** – the house must produce as much energy as is consumed during contest.

DESERTSOL

MOJAVE ESCAPE AND OASIS

VISION

Desert Sol's design imagines a new type of home that could transform the housing market in Las Vegas. It exemplifies an ultra-efficient home that educates and inspires the inhabitants of the Mojave Desert through the responsible use of the sun and water. Desert Sol takes advantage of the Mojave Desert's renewable resources to produce a sustainable home that is self-reliant in the severe desert environment. As a second home, Desert Sol is the base camp for desert explorers in search of an escape, vacation or retirement living.



ENGINEERING

We design our systems to embrace the unique Mojave Desert environment. Team Las Vegas' engineering goal is to combine functional durability of the engineering aspects with the architectural team's aesthetics, and create high performance systems. Desert Sol incorporates all of the high-tech technologies, including smart walls, digital environmental control interfaces, solar thermal collectors, and high efficiency photovoltaic panels.

Plumbing, electrical and mechanical systems are designed to offer the occupant's maximum comfort and ease of use. The systems are efficient, reliable, sustainable, demonstrating emerging green products and control options. Building energy simulation is implemented throughout the design and construction phases to measure and control design parameters and to achieve optimization of design alternatives.

ARCHITECTURE

Creating a balance among architecture, market appeal, affordability, and comfort, Desert Sol utilizes an innovative and sustainable house design that represents the unique harmony among the house, its inhabitants, and the desert environment. It captures the energy from the harsh desert sun to create an efficient living experience, while preserving our most valuable resource - water.

Moreover, the design incorporates accessibility and age-in-place considerations to make the house more enjoyable during any stage of life. In addition, Desert Sol is designed for easy assembly and disassembly to allow its owners the freedom to change locations when their life situations dictate a change in place.



Teams showcase their houses during the 2011 Solar Decathlon competition in Washington, D.C. (Photo courtesy of DOE Solar Decathlon)

SPONSORSHIP OF TEAM LAS VEGAS

Sponsorships can be made in cash, in-kind or a combination of both.

Sunlight Sponsor (\$100,000)

- Everything in Platinum +
- VIP reception at Solar Decathlon in Irvine, CA
- Advertising spot on multimedia presentation
- Membership in UNLV Foundation's Silver Medallion Society
- Society recognition plaque

Platinum (\$75,000)

- Everything in Gold +
- Invitation to university events
- Prominent logo placement on Solar Decathlon Website and honor rolls

Gold (\$50,000)

- Everything in Silver +
- Membership in UNLV Foundation's Benefactor Society
- Society recognition plaque
- Recognition at construction site

Silver (\$25,000)

- Everything in Bronze +
- Logo placement in Solar Decathlon honor rolls and website
- Invitation to private design preview

Bronze (\$10,000)

- Everything in Green Sponsor +
- Mention on email notifications
- Recognition at home's permanent location

Green Sponsor (\$5,000)

- Invitation to groundbreaking and send-off events
- Electronic project updates
- UNLV Foundation Annual Dinner Invitation
- Barrick Lecture Invitations
- Listing in college honor rolls and on Solar Decathlon website

Contact Us

...Interested in supporting the team?

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Arialle Boos, Sponsorship Manager
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Team Las Vegas takes a break from working on the project during the all-team retreat.

TEAM LAS VEGAS

Team Las Vegas is representing UNLV and the Silver State in the 2013 Solar Decathlon with its entry, Desert Sol. As a student-led project, team members gain first-hand experience in designing, planning, constructing, and maintaining a prototype house of the Mojave Desert.

The team is truly an interdisciplinary collaboration of UNLV's talented students and faculty members, each bringing different backgrounds and expertise to the project. Currently, there are between 15-20 students who work directly on the project. This number is expected to increase to more than 50 once the construction of the house begins in Spring 2013. We are excited and proud to represent Team Las Vegas! If you would like to learn more, please contact us.

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THANK YOU!


For More Information:

<http://solardecathlon.unlv.edu>

Contact Us:

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 @UNLVSD2013

 Team Las Vegas – 2013 Solar Decathlon



Office of Interdisciplinary Research
School of Architecture
College of Engineering
Lee Business School